

HAKAN OKAY

SOFTWARE DEVELOPER

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EXPERIENCE

Software Developer @ hakanokay.dev

June 2022 - Present

- Redesigned and redeveloped Musme Library using modern web technologies, **reducing page load times by 50%**. Mentored the other four contributors and offered feedback on their code.
- Developed a web service to manage the sale records of a local store, increasing data accessibility and simplifying data management.
- Trained a machine learning model that predicts the likelihood of conversion in a session with a **95% F1-score** and served it over the cloud.
- Migrated a CRM application from PHP to Python and updated the data retrieval and processing scripts, **reducing data processing times by 25%**.

Backend Engineer @ datablast.io ~ Role Change

September 2022 - February 2023

- Created and optimized RESTful API endpoints querying big data warehouses to generate static analytics reports, **reduced response times by 15%**.
- Built an SQL generation engine to automate the data warehousing process for products that have similar data characteristics, **reduced the onboarding times by 30%**.
- Contributed to blast, a CLI tool allows using SQL and Python on the same pipeline for validating and running data transformations.
- Diagnosed and resolved issues within the parser of a specialized SQL-like querying language designed for efficient cloud querying on the platform.

Data Engineer @ datablast.io

March 2022 - September 2022

- Built ETL pipelines to process ~1 billion rows of data ingested daily from various backends, **reduced querying costs and processing times 30%**.
- Implemented Airflow operators to notify and alert stakeholders about their warehousing and querying costs.
- Created the technical documentation of Blast Data Platform, shortened onboarding times and **reduced support ticket volume by 20%**.
- Added data validation steps to the ETL pipelines to ensure data integrity, and reduce data inconsistencies across the platform.

SKILLS

Languages & Technologies: Python, SQL, TypeScript, JavaScript, HTML, CSS, Go, Java

Libraries & Frameworks: React, Next.js, Tailwind, Prisma, FastAPI

Tools & Platforms: Linux, Git, Docker, Airflow, GCP, AWS

Databases: MySQL, Postgres, Oracle, MongoDB

EDUCATION

Algonquin College of Applied Arts and Technology

Ottawa, ON

Diploma in Computer Programming

September 2022 - December 2023

Miuul & Data Science Academy

Uppsala, Sweden (Remote)

Certificate in Data Science and Machine Learning

December 2021 - March 2022

Canakkale Onsekiz Mart University

Canakkale, Turkey

Master's Degree in Engineering

February 2021 - February 2024

Akdeniz University

Antalya, Turkey

Bachelor's Degree in Engineering

September 2014 - September 2019